

## INTERNATIONAL SEARCH REPORT

Intern. Application No.

PCT/US 99/28656

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01H13/48

F24

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G08C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 18508 A (SYNAPTICS INC) 22 May 1997 (1997-05-22) page 11, line 7 -page 12, line 16 page 43, line 4 -page 46, line 20	1-3, 6-11
A	GB 2 133 957 A (INT COMPUTERS LTD) 1 August 1984 (1984-08-01) page 1, left-hand column, line 11 -page 2, right-hand column, line 126	1-10
P, A	WO 99 57630 A (SCIENTIFIC ATLANTA) 11 November 1999 (1999-11-11) page 4, line 33 -page 10, line 2	1-3, 5-8

☐ Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents:

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"A" document member of the same patent family

Date of the actual completion of the international search

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9718508 A	22-05-1997	US 5889236 A CN 1202254 A EP 0861462 A JP 11511580 T	30-03-1999 16-12-1998 02-09-1998 05-10-1999
GB 2133957 A	01-08-1984	AU 557120 B AU 2379484 A US 4647916 A ZA 8400356 A	04-12-1986 02-08-1984 03-03-1987 29-08-1984
WO 9957630 A	11-11-1999	NONE	

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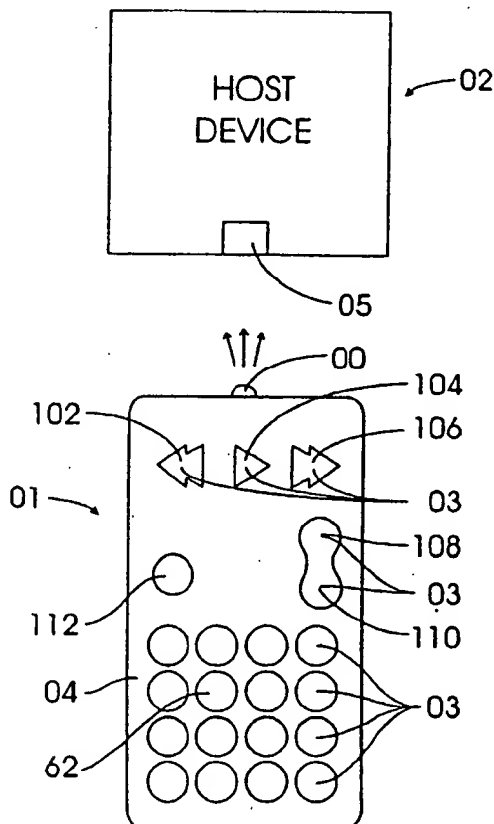
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: REMOTE CONTROLLER WITH PRESSURE SENSITIVE BUTTONS



(57) Abstract: A remote controller for controlling a host device, the controller including a housing, an electrical power source within the housing, electronic circuitry within the housing connected to the power source and including a radiation emitter to emit signals from the housing, a plurality of finger depressible buttons exposed on the housing and interfacing with sensors electrically associated with the circuitry. The buttons are for user selection of signals emitted for controlling a host device. At least some of the sensors are utilized only as momentary-On only On/Off sensors. At least one sensor(s) is a pressure-sensitive analog sensor structured for varying electrical conductance through at least three readable states or values. The readable states are dependent upon depressive pressure applied to the sensor(s) through finger depressible button(s). The circuitry is structured to read the readable states of the pressure-sensitive analog sensor(s) and to emit signals representing the state or value of the sensor(s). In one embodiment, the analog sensor(s) is/are elastomeric dome-cap sensor(s) including pressure-sensitive variable-conductance material positioned over proximal circuit elements of the circuitry. The analog sensors are preferably associated with selectable functions such as tuner channel changing as for televisions and supportive tuner devices, and video speed controls as for VCRs, DVDs and like recorded video players, and computers and audio and other like devices. Additionally disclosed are methods of use and manufacture.

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